



1999 Toxics Release Inventory

TEXAS

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	240,836,668	47,416,507	288,253,175
Air Emissions	102,482,436	8,281,870	110,764,306
Surface Water Discharges	32,416,099	102,682	32,518,781
Underground Injection Class I Wells	86,548,912	4,179,953	90,728,865
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	205,797	6,281,274	6,487,071
Other On-site Land Releases	19,183,424	28,570,728	47,754,152
Off-site Releases (Transfers Off-site to Disposal)*	17,021,430	8,591,526	25,612,956
Total On- and Off-site Releases	257,858,098	56,008,033	313,866,131
Recycled On-site	1,057,277,403	19,003,331	1,076,280,734
Recycled Off-site	134,063,195	5,901,345	139,964,540
Energy Recovery On-site	865,991,370	0	865,991,370
Energy Recovery Off-site	81,620,986	30,073,020	111,694,006
Treated On-site	2,194,073,787	79,424,873	2,273,498,660
Treated Off-site**	75,722,610	10,006,774	85,729,384
Quantity Released On- and Off-site***	264,703,891	52,931,360	317,635,251
Total Production-related Waste Managed	4,673,453,242	197,340,703	4,870,793,945
Total Non-production-related Waste Managed	3,613,370	499,059	4,112,429

Transfers Off-site for Further Waste Management/Disposal

Recycling	128,356,572	3,675,853	132,032,425
Energy Recovery	90,739,286	30,092,445	120,831,731
Treatment	38,688,557	2,477,115	41,165,672
Publicly Owned Treatment Works (POTWs)	38,385,503	14,376	38,399,879
Metals and Metal Compounds*	348,054	2,168	350,222
Non-metal TRI Chemicals**	38,037,449	12,208	38,049,657
Other Off-site Transfers***	48,678	0	48,678
Off-site Transfers to Disposal (not including metals to POTWs)	19,333,609	9,400,936	28,734,545
Total Transfers Off-site for Further Waste Management/Disposal	315,552,205	45,660,725	361,212,930

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

Kenneth Kidd
(512) 239-6957

Fax: (512) 239-1515

E-mail: kkidd@tnrcc.state.tx.us

EPA Regional Contact:

Warren Layne
(214) 665-8013

Fax: (214) 665-6762

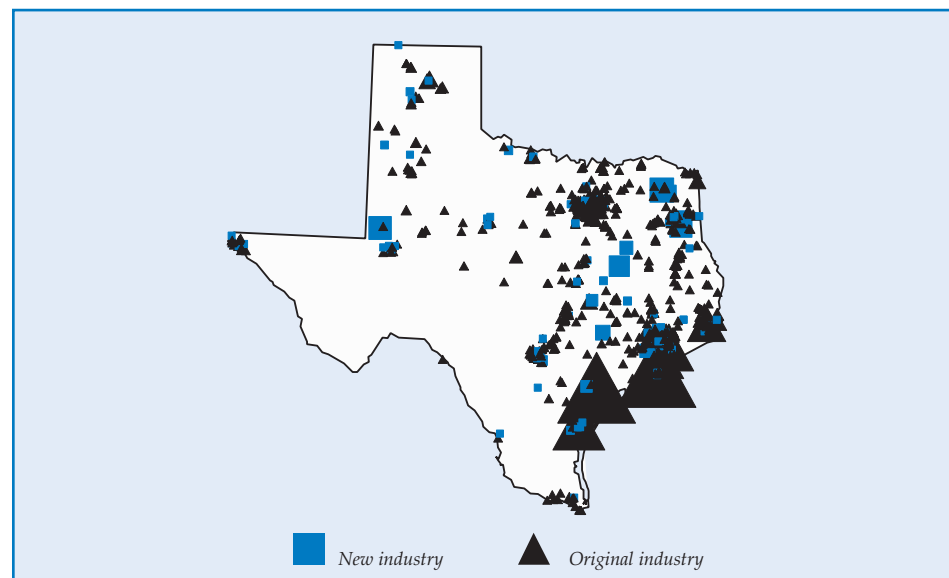
E-mail: layne.warren@epa.gov

Morton E. Wakeland, Jr.
(214) 665-8116

To obtain TRI data use

assistance, call TRI User
Support Service (TRI-US):
(202) 260-1531

Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Texas. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	20,044,141
Square Miles	261,914
Total Facilities	1,369
Total Forms	7,286
Form As	922

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	1	20	5
Pounds	257,858,098	56,008,033	313,866,131
National Rank for Total On-site Releases**			
Rank	1	21	5
Pounds	240,836,668	47,416,507	288,253,175
National Rank for Total Releases within State***			
Rank	1	21	6
Pounds	262,109,843	55,704,096	317,813,939
National Rank for Production-related Waste Managed			
Rank	1	7	1
Pounds	4,673,453,242	197,340,703	4,870,793,945

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



1999 Toxics Release Inventory

TEXAS

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Nitrate compounds	3,073	31,227,618	8,156,425	335,007	28,033	39,750,156	0	17,635	10,398
7664-41-7	Ammonia	7,559,338	407,191	17,141,732	263,232	472,459	25,843,952	302,011	419,231	90,486
67-56-1	Methanol	12,463,377	54,215	6,079,021	208,622	371,090	19,176,325	620,156	651,512	119,652
74-85-1	Ethylene	15,255,157	0	65,158	1	17	15,320,333	0	17	0
--	Chromium compounds	14,073	6,421	1,854	13,243,349	851,628	14,117,325	61,322	868,417	99,777
7697-37-2	Nitric acid	46,651	16	9,318,926	7,768	259,444	9,632,805	108,592	259,444	0
115-07-1	Propylene	8,144,698	0	136,393	15	0	8,281,106	3	0	0
75-05-8	Acetonitrile	151,341	2,468	7,352,474	39	639,246	8,145,568	18,689	686,053	0
110-54-3	n-Hexane	7,883,362	1,010	2,022	73	2,586	7,889,053	27	2,779	0
1330-20-7	Xylene (mixed isomers)	5,161,217	5,837	49,130	3,103	249,801	5,469,088	58,160	246,193	4,958

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Barium compounds	65,820	39,700	250	17,128,178	3,927,921	21,161,869	2,402	3,909,742	18,179
--	Manganese compounds	57,860	4,857	0	6,836,955	403,364	7,303,036	990	403,195	482
7647-01-0	Hydrochloric acid	3,956,756	5	0	0	0	3,956,761	0	0	0
--	Zinc compounds	11,060	528	0	3,090,397	122,690	3,224,675	7,103	110,560	12,899
7664-39-3	Hydrogen fluoride	2,308,277	0	0	0	24,625	2,332,902	0	24,625	0
67-56-1	Methanol	50,606	0	1,918,781	0	812	1,970,199	929	146,762	0
7439-92-1	Lead	2,287	5	250	1,731,762	53,320	1,787,624	289	4,876	48,943
--	Copper compounds	9,769	6,641	0	1,446,879	129,193	1,592,482	7,968	126,409	10,119
7440-43-9	Cadmium	1,370	0	0	1,226,037	0	1,227,407	0	0	0
7664-93-9	Sulfuric acid	992,221	5	0	0	0	992,226	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



1999 Toxics Release Inventory

TEXAS

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
BASF Corp., Freeport, Brazoria	131,261	19,018,048	2,343,600	0	0	0	21,492,909	25,226	4
Du Pont Victoria Plant, Victoria, Victoria	740,395	1,540,964	18,781,673	0	45,450	878	21,109,360	12,740	7,171
BP Chemicals Inc. Green Lake Facility, Port Lavaca, Calhoun	243,395	1,130	13,860,117	0	2,185	0	14,106,827	571	0
Elementis Chromium L.P., Corpus Christi, Nueces	89,550	4,550	0	0	0	13,100,000	13,194,100	431,400	0
Solutia - Chocolate Bayou, Alvin, Brazoria	158,903	10,000	9,451,408	0	23,450	254	9,644,015	0	0
Du Pont Beaumont Plant, Beaumont, Jefferson	320,090	1,621	8,715,610	0	0	0	9,037,321	25	26,550
Sterling Chemicals Inc., Texas City, Galveston	593,387	46,843	8,172,381	0	0	0	8,812,611	3,124	72
BP Amoco Texas City Business Unit, Texas City, Galveston	3,630,351	98,818	2,497,500	0	0	1,196	6,227,865	21,373	0
Rohm & Haas Texas Inc., Deer Park, Harris	428,603	4,498,238	0	0	0	0	4,926,841	41,770	11
Lyondell Chemical Co., Channelview, Harris	683,662	207	4,006,210	0	0	0	4,690,079	286,269	7,466

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Monticello Steam Electric Station & Lignite Mine, Mount Pleasant, Titus	973,631	362	0	0	0	5,468,844	6,442,837	0	0
Waste Control Specialists L.L.C., Andrews, Andrews	6,660	0	0	0	5,955,621	0	5,962,281	0	0
Martin Lake Steam Electric Station & Lignite, Tatum, Rusk	302,531	260	0	0	0	5,573,596	5,876,387	3	0
Limestone Electric Generating Station, Jewett, Limestone	271,851	49	0	0	0	4,837,000	5,108,900	0	0
Disposal Systems Inc., Deer Park, Harris	839	0	4,162,525	0	0	0	4,163,364	126,178	0
L.C.R.A. Fayette Power Project, La Grange, Fayette	2,424,630	359	0	0	0	498,000	2,922,989	1,240	0
Welsh Power Plant, Pittsburg, Camp	439,020	34,265	0	0	0	2,034,690	2,507,975	0	0
W.A. Parish Electric Generating Station, Thompson, Fort Bend	555,161	4,500	0	0	0	1,847,300	2,406,961	0	0
Big Brown Steam Electric Station & Lignite Mine, Fairfield, Freestone	147,311	0	0	0	0	2,165,239	2,312,550	0	0
H.W. Pirkey Power Plant, Hallsville, Harrison	111,107	13,670	0	0	0	1,765,850	1,890,627	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



1999 Toxics Release Inventory

TEXAS

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
BASF Corp., Freeport, Brazoria	0	136,900	18,607,800	58,554	65,476,500	127	21,497,636	105,777,517	0
Du Pont Victoria Plant, Victoria, Victoria	0	0	25,844,530	0	42,299,864	713,083	21,129,271	89,986,748	5
BP Chemicals Inc. Green Lake Facility, Port Lavaca, Calhoun	0	0	54,531,500	0	1,679,077	29,523	14,106,840	70,346,940	301
Elementis Chromium L.P., Corpus Christi, Nueces	0	0	0	0	0	412,000	13,590,000	14,002,000	0
Solutia - Chocolate Bayou, Alvin, Brazoria	770,000	0	0	0	15,413,200	0	12,657,773	28,840,973	0
Du Pont Beaumont Plant, Beaumont, Jefferson	7,956,850	0	14,275,834	354,442	12,779,168	4,303,650	9,037,281	48,707,225	45,847
Sterling Chemicals Inc., Texas City, Galveston	130,000	1,848	46,019,468	3	2,273,168	82,810	8,815,561	57,322,858	0
BP Amoco Texas City Business Unit, Texas City, Galveston	2,358,400	84,120	0	0	5,015,000	8,810	6,304,783	13,771,113	0
Rohm & Haas Texas Inc., Deer Park, Harris	0	0	57,142,718	140,709	84,682,225	142,579	4,968,441	147,076,672	1,745
Lyondell Chemical Co., Channelview, Harris	13,045,383	24,784	43,702,373	1,154,610	17,115,006	279,946	4,767,916	80,090,018	7

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Monticello Steam Electric Station & Lignite Mine, Mount Pleasant, Titus	0	0	0	0	4,931,916	0	6,442,837	11,374,753	0
Waste Control Specialists L.L.C., Andrews, Andrews	0	0	0	0	0	0	5,962,175	5,962,175	0
Martin Lake Steam Electric Station & Lignite, Tatum, Rusk	0	0	0	0	558,628	0	5,876,390	6,435,018	0
Limestone Electric Generating Station, Jewett, Limestone	0	0	0	0	1,290,000	0	5,102,020	6,392,020	0
Disposal Systems Inc., Deer Park, Harris	1,025,707	0	0	4,508,346	6,959,210	5,933,503	4,163,259	22,590,025	0
L.C.R.A. Fayette Power Project, La Grange, Fayette	0	0	0	0	892,000	0	2,924,101	3,816,101	0
Welsh Power Plant, Pittsburg, Camp	0	0	0	0	746,500	0	2,579,400	3,325,900	0
W.A. Parish Electric Generating Station, Thompson, Fort Bend	0	0	0	0	1,170,000	0	2,396,000	3,566,000	0
Big Brown Steam Electric Station & Lignite Mine, Fairfield, Freestone	0	0	0	0	110,040	0	2,312,550	2,422,590	0
Southwestern Public Service Co. Harrington Station, Amarillo, Potter	0	0	0	0	0	0	2,233,000	2,233,000	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.